Spill Summary Report for NRC Report #1268405

Report Date: 2/24/2020 Report Time: 7:55 PM EST

Region IV Hotline Log Entry Information

Data ID: 2613268

Date Of Report: 2020-01-10T22:32:00-05:00

NRC #: 1268405

State #:

ERNS #:

Receiver:

Material Type: Haz Material / Amount:

AMMONIA, ANHYDROUS (0 UNKNOWN AMOUNT);

Location:

Street: 3776 TAYLORSVILLE HWY

City: STATESVILLE County: IREDELL

State: NC

Latitude: 35.81524959844731 Longitude: -80.96339794474595

Source of Pollution:

LINEAGE

Water Body:

State Or EPA Responded:

EPA OSC Responded

Initial EPA Action:

Coordinated with the State

Status:

2 - Closed

Organization: EPA
Phone #:

URL:

Associated Action Reports

DataID: 1253104

11D. 1233104			
Date: 2020-01-10T05:00:00-05:00 Time: 1612			
Duty Officer/Responder Name: Matthew Huyser	NRC Report #: 1268405 Hotline Log DataID: 2613268		
Action Information			
patient had been in am	abulance and residual ammonia overwination. Resources from Charlotte Ha	C Rhame had been informed that one whelmed the ambulance and required azmat are responding. There is concern of	
Follup-Up: Other			
Person Contacted			
Name: Ken Rhame			

DataID: 1253105

Date: 2020-01-10T05:00:00-05:00	Time: 1625		
Outy Officer/Responder Name: Matthew Huyser NRC Report #: 1268405 Hotline Log DataID: 2			
Action Information			
Description: TEL Huyser contacted and NCDEQ mooresvi		information for the Iredell EMA director	
Follup-Up: Contacted State			
Person Contacted			
Name:			
Organization: NC SEOC			
Phone #:			

DataID: 1253106

Date: 2020-01-10T05:00:00-05:00	Time: 1628			
Duty Officer/Responder Name: Matthew Huyser	NRC Report #: 1268405 Hotline Log DataID: 26132			
Action Information				
	NCDEQ division of air quality who /2020 to conduct an investigation	reported that they would be visiting the Site		

Follup-Up: Contacted State

Person Contacted

Name: Mike Reid

Organization: NCDEQ

Phone #:

DataID: 1253107

Date: 2020-01-10T05:00:00-05:00

Duty Officer/Responder Name: Matthew Huyser

NRC Report #: 1268405

Hotline Log DataID: 2613268

Action Information

Description: TEL Huyser contacted Iredell County EMA Director who stated that the release was contained within the facility and there is no significant outside air impact. The sprinkler system was activated during the release but the degree to which water was applied is unknown. There are drains within the facility and the FD is in the process of assessing where those lead and stopping runoff from those drains.

Follup-Up: Other

Person Contacted

Name: Jodi Smyre
Organization: Iredell County EMA
Phone #: 704-380-5404

DataID: 1253108

Date: 2020-01-10T05:00:00-05:00

Duty Officer/Responder Name: Matthew Huyser

NRC Report #: 1268405

Hotline Log DataID: 2613268

Action Information

Description: TEL Huyser contacted NCDEQ mooresville regional office division of water who stated that they had not been made aware that any release had yet reached waterway. There are small headwater streams nearby. NCDEQ had already notified local public water utilities. NCDEQ will mobilize to the site if the release reaches a waterway.

Follup-Up: Contacted State

Person Contacted

Name: Andrew Titner

Organization: NCDEQ
Phone #: 704-235-2180

DataID: 1253109

Date: 2020-01-10T05:00:00-05:00 Time: 1635 Duty Officer/Responder Name: Matthew Huyser NRC Report #: 1268405 Hotline Log DataID: 2613268 Action Information Description: OSC Rhame contacted TEL and stated that the FD was planning to open a bay door and suppress vapors with a water curtain. Water runoff will be blocked off and collected in an adjacent pond or detention area. The facility had not yet hired a response contractor and the hazmat chief is in the process of speaking to them about doing so. There will be a conference call with multiple agencies at 1900hrs and OSC Rhame will be present on the call. Follup-Up: Other Person Contacted Name: Ken Rhame Organization: EPA Phone #:

DataID: 1253110

Date: 2020-01-10T05:00:00-05:00	Time: 1653			
Duty Officer/Responder Name: Matthew Huyser	NRC Report #: 1268405	Hotline Log DataID: 2613268		

Action Information

Description: NCDEQ contacted TEL and stated that the sprinkler did not activate and no water was entering a drain.
There are presently no surface waters impacted and NCDEQ does not plan to respond.

Follup-Up: Contacted State

Person Contacted

Name: Andrew Titner
Organization: NCDEQ
Phone #:

DataID: 1253111

Date: 2020-01-10T05:00:00-05:00	Time: 1936	Time: 1936			
Duty Officer/Responder Name: Matthew Huyser	NRC Report #: 1268405 Hotline Log DataID: 2613268				
Action Information					
water was being used in would fill the adjacent Site and crews are swap IDLH while concentrat	n the water curtain, approximately 25 detention area in 8 hours. The hazma pping out overnight due to fatigue. C	in the call indicated a significant amount of 50 gallons per minute, and at this rate it at team is utilizing only 2 air monitors at the concentrations in the building remain above by AEGL-1 levels. Due to the likelihood if to the response.			
Follup-Up: Other					
Person Contacted					
Name: Ken Rhame					
Organization: EPA					
Phone #:					

Associated Regional Spot Reports

DataID: 0007275

Date: 2020-01-12T05:00:00-05:00		Watch Officer: Matthew Huyser		
Event Title: Lineage Logistics An	nmonia Release	Media Interest: Medium		
Report Information		100		
Overview:	release resulting in one fatality and three other reduced to below 300ppm ammonia in freezer to	te facility in Statesville NC experienced an ammonia injuries. Conditions inside the building have been unit 4 and 100 ppm in freezer unit 3; units 1 and 2 are nia in ambient air and workzones outside the facility.		
State, Local and other Federal Agency Actions:	ventilation and controlling vapors with a water augment ventilation. Water is being collected in pumping the pond to frac tanks and transporting was discovered on 1/11/2020; NCDEQ notified	ams have responded. Response operations included curtain; fresh air is being pushed into the building to an on-site pond. Environmental contractors are g water to a treatment facility. An outfall from the pond local public water utilities of the release. Contractors ation which will include additional ventilation and		
EPA Actions:	monitoring instruments. EPA is running perime neighborhood. Upon discovery of the outfall at downstream; pH at the outfall was measured at yards further downstream. EPA notified DOI o	the pond, START contractors collected samples 8.5 with a neutral measurement of 7 approximately 300 f the release.		
	EPA and local hazmat resources until the final are in-place to execute the plan.	workplan has been approved and sufficient resources		
Notes:				

HQ Hotline Log Entry Information

Data ID: 2613267

Date Of Report: 2020-01-10T22:32:00-05:00

NRC #: 1268405

State #:

ERNS #:

Receiver:

Material Type:

Material / Amount:

AMMONIA, ANHYDROUS (0 UNKNOWN AMOUNT);

Location:

Street: 3776 TAYLORSVILLE HWY

City: STATESVILLE County: IREDELL

State: NC Latitude: Longitude:

Source of Pollution:

LINEAGE

Water Body:

State Or EPA Responded:

Initial EPA Action:

Status: URL:

NRC Spill Report

NATIONAL RESPONSE CENTER 1-800-424-8802 ***GOVERNMENT USE ONLY***GOVERNMENT USE ONLY*** Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1268405

INCIDENT DESCRIPTION

*Report taken by NRC at 22:32 on 10-JAN-20

Incident Type: FIXED Incident Cause: UNKNOWN

Affected Area:

Incident occurred on 10-JAN-20 at 14:00 local incident time.

Affected Medium: AIR / ATMOSPHERE - NO OFFSITE IMPACT

REPORTING PARTY

Name:

LEE SHANK

Organization:

CAROLINA ENVIRONMENTAL

Address:

CHARLOTTE, NC

Email Address: leeshank@cert-usa.com

CAROLINA ENVIRONMENTAL reported for the responsible party.

PRIMARY Phone: (704)7374476

Type of Organization: PRIVATE ENTERPRISE

SUSPECTED RESPONSIBLE PARTY

Name:

JEFF VUKOVICH

Organization:

STATESVILLE, NC

PRIMARY Phone: (336)3417348

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

3776 TAYLORSVILLE HWY County: IREDELL

LINEAGE

City: STATESVILLE State: NC FOOD PROCESSING WAREHOUSE

RELEASED MATERIAL(S)

CHRIS Code: AMA

Official Material Name: AMMONIA, ANHYDROUS

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER STATED ANHYDROUS AMMONIA RELEASED FROM A COOLING SYSTEM IN A FOOD PROCESSING WAREHOUSE AT THE INCIDENT LOCATION, DUE TO UNKNOWN CAUSES AT THIS TIME. CALLER STATED THERE WAS AN EVACUATION OF 30-35 EMPLOYEES AND CONTRACTORS AND 1 REPORTED FATALITY.

INCIDENT DETAILS

Package: N/A Building ID:

Type of Fixed Object: WAREHOUSE Power Generating Facility: UNKNOWN

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

IMPACT

Fire Extinguished: UNKNOWN Fire Involved: NO

INJURIES:

NO Sent to Hospital:

Empl/Crew:

Passenger:

Occupant:

FATALITIES: **EVACUATIONS:** YES 1 Empl/Crew: YES 35 Who Evacuated:

Passenger: **EVERYONE**

Radius/Area:

Damages:

NO

Hours

Direction of

Closure Type

Description of Closure

Closed

Closure

Air:

NO

Road: NO Major

Artery:

Waterway: NO

Track:

NO

Passengers Transferred: NO Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

REMEDIAL ACTIONS

POLICE, FIRE AND EPA PERSONNEL ARE ONSCENE , VACUUM TANKS WERE ENROUTE AND CLEAN

UP IS UNDERWAY Release Secured: YES

Release Rate:

Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local: **EPA**

State/Local On Scene:

PD/FD

State Agency Number:

NOTIFICATIONS BY NRC

AGCY TOXIC SUBST & DISEASE REGISTRY (HHS)

10-JAN-20

22:43

(770)4883430

CENTERS FOR DISEASE CONTROL (GRASP) 10-JAN-20

22:43

(770)4887100

CHEM SAFETY AND HAZARD INVEST BOARD (AFTER HOURS)

10-JAN-20

23:25

(202)6312440

NO VERBAL

CHEM SAFETY AND HAZARD INVEST BOARD (CSB AUTOMATIC NOTIFICATIONS)

10-JAN-20

22:43

(202)3780334

```
DEPT OF HEALTH AND HUMAN SERVICES (SECRETARY'S OPERATION CENTER (SOC))
    10-JAN-20
                  22:43
AZ OFFIC OF INTEL AND ANALYSIS (FIELD INTELLIGENCE AND INTEGRATION DIVISION)
    10-JAN-20
                  22:43
                            (480)3752552
DHS DEFENSE THREAT REDUCTION AGENCY (CHEMICAL AND BIOLOGICAL TECHNOLOGIES DEPARTMENT)
    10-JAN-20
                  22:43
                            (703)7673477
DHS I&A STATE AND LOCAL PRGM OFFICE (RALEIGH, NC FUSION CENTER)
    10-JAN-20
                  22:43
                            (202)5575179
DHS SOUTH CAROLINA FUSION CENTER (LE SENSITIVE ADVISORS & LIASON PROGRAM)
    10-JAN-20
                  22:43
                            (866) 4728477
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (202)3661863
DOT OFFICE OF INSPECTOR GENERAL (OFFICE OF INVESTIGATORS)
    10-JAN-20
                  22:43
                            (202)3660339
EPA HQ EMERGENCY OPERATIONS CENTER (MAIN OFFICE (AUTO))
    10-JAN-20
                  22:43
                            (202)5643850
EPA HQ EMERGENCY OPERATIONS CENTER (AFTER HOURS SECONDARY)
    10-JAN-20
                  23:39
                            (202)5643850
                                                 NO ANSWER
U.S. EPA IV (MAIN OFFICE)
    10-JAN-20
                  22:52
                            (404)6504955
                                                 R4 PAGER
U.S. EPA IV (NC/SC INCIDENTS)
    10-JAN-20
                  22:43
                            (404)6504955
U.S. EPA IV (DUTY OSC)
    10-JAN-20
                  22:43
                            (404)6504955
IREDELL COUNTY EMERGENCY MANAGEMENT (COMMAND CENTER)
    10-JAN-20
                  22:43
                            (704)8785097
NC DEPT OF EMERGENCY MGMT (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (800)8580368
NC DEPT OF ENVIRONMENTAL QUALITY (DIVISION OF AIR QUALITY)
    10-JAN-20
                  22:43
                            (919)7078443
NC OCCUPATIONAL ENVMTL EPIDEMIOLOGY (COMMAND CENTER)
    10-JAN-20
                  22:43
                            (919)7075950
NC PUBLIC HEALTH PREPARE AND RESPNS (PHPR COMMAND CENTER)
    10-7AN-20
                  22:43
                            (919)7150919
NATIONAL HWY TRANS SAFETY ADMIN (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (202)4412924
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (202)2829201
NOAA RPTS FOR NC (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (206)5264911
NTSB PIPELINE (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (202)3146293
OCCUPATIONAL SAFETY & HEALTH ADMIN (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (801)9180995
PIPELINE & HAZMAT SAFETY ADMIN (HAZARDOUS MATERIAL ACCIDENT INVESTIGATION)
    10-JAN-20
                  22:43
                            (202)3664031
DOI FOR REGION 4 (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (404)3314524
REPORTING PARTY (RP SUBMITTER)
    10-JAN-20
                  22:43
STATE OF NORTH CAROLINA DENR (MAIN OFFICE)
    10-JAN-20
                  22:43
                            (919)8076300
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)
    10-JAN-20
                  22:43
                            (904)9804075
USCG DISTRICT 5 (D5 DRAT)
    10-JAN-20
                  22:43
                           (757)3986231
USCG DISTRICT 5 (INTEL CHIEF)
    10-JAN-20
                  22:43
                           (757)3986655
```

ADDITIONAL INFORMATION

*** END INCIDENT REPORT # 1268405 ***
Report any problems by calling 1-800-424-8802

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Lineage Logistics Ammonia Release

All POL/SITREP's for this site

Lineage Logistics Ammonia Release STATESVILLE, NC - EPA Region IV POLREP #1 Initial Printer Friendly | PDF

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Lineage Logistics Ammonia Release - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Region IV

Subject:

POLREP #1

Initial

Lineage Logistics Ammonia Release

STATESVILLE, NC

Latitude: 35.8152496 Longitude: -80.9633979

To:

James Webster, USEPA R4 ERRPPB

From:

Kenneth Rhame, On Scene Coordinator

Date:

1/13/2020

Reporting Period:

1/10/2020 to 1/13/2020

1. Introduction

1.1 Background

Site Number:

Contract Number:

D.O. Number:

Action Memo Date:

Response Authority: CERCLA Res

Response Type:

Emergency

Response Lead:

PRP

Incident Category:

Removal Action

NPL Status:

Non NPL

Operable Unit:

Mobilization Date:

1/10/2020

Start Date:

1/10/2020

Demob Date:

Completion Date:

CERCLIS ID:

RCRIS ID:

ERNS No.:

State Notification:

1/10/2020

FPN#:

Reimbursable Account #:

1.1.1 Incident Category

CERCLA

Emergency Response

1.1.2 Site Description

Commercial release of undetermined amount of ammonia to the atmosphere resulting in a fatality and injuries.

Cold Storage Facility

1.1.2.1 Location

Lineage Logistics 3776 Taylorsville Hwy. Statesville, NC 28625 Iredell County

1.1.2.2 Description of Threat

Ammonia Vapor Cloud migrating off-site potentially exposing the public.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Cold Storage Facility that contains 58,000 lbs of anhydrous ammonia for refrigeration. Lineage Logistics subcontractors were conducting demolition work in Freezer 4, opening two areas in a wall. While opening one area, ice was observed behind the wall. The sub-contractors were clearing away the ice when the smell of ammonia was observed by one sub-contractor worker. He recognized the smell of ammonia and jumped from the scissor lift that was reported to be extended approximately 40 feet to escape, he was later hospitalized for ammonia exposure. During transport of the sub-contractor to the hospital, EMT crew in ambulance was exposed to ammonia. One sub-contractor was overwhelmed by the ammonia and resulted in a fatality. Local and state fire and haz-mat teams responded.

The freezers are equipped with ammonia sensors, the internal sensors in freezer 3 and 4 indicated that they were overwhelmed, "pegged", over the limitation of the sensor. The upper range of the sensor was reported to be 250 parts per million (ppm).

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Cold Storage Facility that contains 58,000 lbs of anhydrous ammonia for refrigeration. Lineage Logistics subcontractors were conducting demolition work in Freezer 4, opening two areas in a wall. While opening one area, ice was observed behind the wall. The sub-contractors were clearing away the ice when the smell of ammonia was observed by one sub-contractor worker. He recognized the smell of ammonia and jumped from the scissor lift that was reported to be extended approximately 40 feet to escape, he was later hospitalized for ammonia exposure. During transport of the sub-contractor to the hospital, EMT crew in ambulance was exposed to ammonia. One sub-contractor was overwhelmed by the ammonia and resulted in a fatality. Local

and state fire and haz-mat teams responded.

The freezers are equipped with ammonia sensors, the internal sensors in freezer 3 and 4 indicated that they were overwhelmed, "pegged", over the limitation of the sensor. The upper range of the sensor was reported to be 250 parts per million (ppm).

1/10/2020 Fire Departments/Haz-Mat Teams from Mooresville, Statesville, Charlotte, Monticello, Asheville, Greensboro, and Raleigh responded. Teams initiated air monitoring. A fan was installed at one end of the building at a open door to ventilate the building, a door was opened at the other end of the building (exhaust) with a water curtain (fog spray) to knock down the vapor cloud. Charlotte Haz-Mat was conducting air monitoring at the exhaust and in the work area and down wind of the water curtain.

Conditions inside the building had ammonia levels that exceeded immediate danger to life and health (IDLH) conditions (greater than 300 ppm). Charlotte haz-mat air monitoring meters exceeded there detection limits, "pegged". EPA mobilized a OSC and START deployed to assist with air monitoring.

Run-off from the water curtain and precipitation was entering a storm drain that flows to a retention pond on site. Environmental contractors responded with frac-tanks, vacuum trucks and tankers to contain and pump water from the storm water system and retention pond. Collected water run-off was transported to Shamrock Environmental for disposal.

2.1.2 Response Actions to Date

1/11/2020

EPA and START began air monitoring, one air monitoring unit was located at the closest resident downwind, another was located between Lineage Logistics facility and the closest business downwind (Pratt Industries), another was located near the exhaust door, and one was used as roving. For air monitoring Results see attached summary table.

EPA/START collected water samples at the storm drain, retention pond, outfall of retention pond, and approximately 300 yards downstream. pH of the retention pond and the outfall was approximately 8.5.

1/12/2020

Operations continued to focus on ventilating building to decrease ammonia levels inside the building.

For contractors to make entry to remove frozen food products to reduce ammonia levels in freezer 3 and 4, ammonia levels need to stabilize below 250 ppm (it is believed that ammonia was absorbed into the frozen food and will continue to off-gas as temperatures begin to raise). The refrigerant lines were purged into a over-pack drum full of water on the roof to eliminate the risk of additional rupture.

1/13/2020

EPA/START continued perimeter air monitoring. No off-site detections were observed. Ventilation operations continue. Concentrations inside the building was observed between approximately 60 ppm and 100 ppm.

Installed four kerosene heaters to attempt to raise temperatures in freezer 3 and 4.

Power was restored to the building lighting and floor heating in an attempt to thaw the ice on freezer 4's floor to promote more off-gassing.

Due to 3 inches of ice present on the floor, it was decided to continue to heat the floor to melt ice, water will be collected at the lift station via vacuum trucks. (It is estimated that it will take 2 days to thaw ice on floor).

Food and Drug Administration arrived on site.

Haz-Mat teams conduct routine entries to monitor indoor air quality and temperatures.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Lineage Logistics 3776 Taylorsville Hwy Statesville, NC

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
			;=	53	

2.2 Planning Section

2.2.1 Anticipated Activities

Continue to conduct perimeter monitoring

2.2.1.1 Planned Response Activities

Continue ventilating / heating building and heating floor in freezer 3 and freezer 4.

2.2.1.2 Next Steps

Collect water from melting ice from lift station to prevent contaminated water from entering municipal waste water treatment plant.

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

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EPA On Scene Coordinator

• 2020 - EPA OSC Response

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Lineage Logistics Ammonia Release

click for regional website list

STATESVILLE, NC - Region IV

Site Photo
KMLRSSlocationarea mapbookmark

Site Contact:

Kenneth Rhame On Scene Coordinator

rhame.kenneth@epa.gov

3776 TAYLORSVILLE HWY STATESVILLE, NC 28625 response.epa.gov/LineageLogistics

Latitude: 35.8152496 Longitude: -80.9633979

NRC#: 1268405

On 1/10/2020 the Lineage Logistics cold storage facility in Statesville NC experienced an ammonia release resulting in one fatality and three other injuries. County fire department and regional hazmat teams have responded. Conditions inside the building remain above IDLH concentrations for ammonia while initial measurements outside the building are reportedly below AEGL-1 and ERPG-1 concentrations. Response operation objectives include ventilating the building and controlling vapors with a water curtain running at approximately 250 gallons per minute. Water is being collected in a storm drain and on-site pond. Environmental contractors are pumping run-off from the storm drain and the pond to on-site frac tanks and also transporting water to a treatment facility. NCDEQ water division was notified. NC Outpost OSC Ken Rhame has been deployed to the response. EPA START contractors have been deployed along with air monitoring instruments.

For additional information, visit the Pollution/Situation Report (Pol/Sitreps) section.

Resources

Notices

· None for this site

<u>Images</u>

· None for this site

Documents

- Viper Data...
- List All...

Pol/SitReps

- POLREP 1
- List All...

Contacts

- On Scene Coordinator <u>huyser.matthew@epa.gov</u>
- On Scene Coordinator <u>rhame.kenneth@epa.gov</u>
- Branch Chief, ERRPPB webster.james@epa.gov
- List All...

Links

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- List All...
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